

STN Columbus

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 DEC 18 CA/CAPLUS pre-1967 chemical substance index entries enhanced
with preparation role
NEWS 4 DEC 18 CA/CAPLUS patent kind codes updated
NEWS 5 DEC 18 MARPAT to CA/CAPLUS accession number crossover limit increased
to 50,000
NEWS 6 DEC 18 MEDLINE updated in preparation for 2007 reload
NEWS 7 DEC 27 CA/CAPLUS enhanced with more pre-1907 records
NEWS 8 JAN 08 CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS 9 JAN 16 CA/CAPLUS Company Name Thesaurus enhanced and reloaded
NEWS 10 JAN 16 IPC version 2007.01 thesaurus available on STN
NEWS 11 JAN 16 WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS 12 JAN 22 CA/CAPLUS updated with revised CAS roles
NEWS 13 JAN 22 CA/CAPLUS enhanced with patent applications from India
NEWS 14 JAN 29 PHAR reloaded with new search and display fields
NEWS 15 JAN 29 CAS Registry Number crossover limit increased to 300,000 in
multiple databases
NEWS 16 FEB 15 PATDPASPC enhanced with Drug Approval numbers
NEWS 17 FEB 15 RUSSIAPAT enhanced with pre-1994 records
NEWS 18 FEB 23 KOREAPAT enhanced with IPC 8 features and functionality
NEWS 19 FEB 26 MEDLINE reloaded with enhancements
NEWS 20 FEB 26 EMBASE enhanced with Clinical Trial Number field
NEWS 21 FEB 26 TOXCENTER enhanced with reloaded MEDLINE
NEWS 22 FEB 26 IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS 23 FEB 26 CAS Registry Number crossover limit increased from 10,000
to 300,000 in multiple databases
NEWS 24 MAR 15 WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS 25 MAR 16 CASREACT coverage extended
NEWS 26 MAR 20 MARPAT now updated daily
NEWS 27 MAR 22 LWPI reloaded
NEWS 28 MAR 30 RDISCLOSURE reloaded with enhancements
NEWS 29 MAR 30 INPADOCDB will replace INPADOC on STN

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8
NEWS X25 X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 17:18:48 ON 30 MAR 2007

=> file reg
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 17:19:02 ON 30 MAR 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 29 MAR 2007 HIGHEST RN 928707-03-3
DICTIONARY FILE UPDATES: 29 MAR 2007 HIGHEST RN 928707-03-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> e fludarabine/cn

E1	1	FLUDALANINE/CN
E2	1	FLUDARA/CN
E3	1 -->	FLUDARABINE/CN
E4	1	FLUDARABINE 5'-MONOPHOSPHATE/CN
E5	1	FLUDARABINE PHOSPHATE/CN
E6	1	FLUDARABINE TRIPHOSPHATE/CN
E7	1	FLUDARENE/CN
E8	1	FLUDAZONIUM CHLORIDE/CN
E9	1	FLUDELONE/CN
E10	1	FLUDEMIL/CN
E11	1	FLUDENT/CN
E12	1	FLUDEOXYGLUCOSE (18F)/CN

=> s e3

L1 1 FLUDARABINE/CN

=> d

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
RN 21679-14-1 REGISTRY
ED Entered STN: 16 Nov 1984
CN 9H-Purin-6-amine, 9- β -D-arabinofuranosyl-2-fluoro- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Adenine, 9- β -D-arabinofuranosyl-2-fluoro- (8CI)

OTHER NAMES:

CN 2-Fluoro Ara-A
CN 2-Fluoro-9- β -D-arabinofuranosyladenine
CN 2-Fluoroadenine arabinoside
CN 9- β -D-Arabinofuranosyl-2-fluoroadenine
CN 9- β -D-Arabinosyl-2-fluoroadenine
CN F-ara-A

CN **Fludarabine**

CN NSC 118218

CN NSC 118218H

FS STEREOSEARCH

MF C10 H12 F N5 O4

CI COM

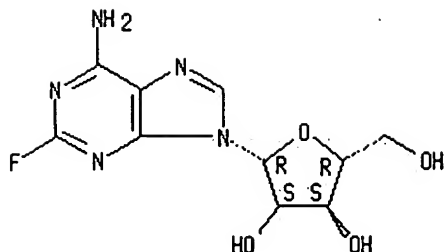
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHM, DDFU, DRUGU, EMBASE, HSDB*, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, PHAR, PROMT, PS, RTECS*, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: EINECS**, WHO

(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1412 REFERENCES IN FILE CA (1907 TO DATE)
 38 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1418 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file merck
 COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
7.35	7.56

FULL ESTIMATED COST

FILE 'MRCK' ENTERED AT 17:19:45 ON 30 MAR 2007
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FILE COVERS FROM LATE 19TH CENTURY TO PRESENT. LAST UPDATE: OCTOBER 2005

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=> d his

(FILE 'HOME' ENTERED AT 17:18:48 ON 30 MAR 2007)

FILE 'REGISTRY' ENTERED AT 17:19:02 ON 30 MAR 2007
 E FLUDARABINE/CN

L1 1 S E3

FILE 'MRCK' ENTERED AT 17:19:45 ON 30 MAR 2007

=> s l1

L2 1 L1

=> d all

L2 ANSWER 1 OF 1 MRCK COPYRIGHT (C) 2007 Merck and Co., Inc., Whitehouse Station, New Jersey, USA. All rights reserved. on STN

MERCK Number (MNO): 4152

CAS Registry No. (RN): 21679-14-1

MERCK Index Name (MIN): Fludarabine

CA Index Name (CN): 9-beta-D-Arabinofuranosyl-2-fluoro-9H-purin-6-amine

Synonym(s) (CN): 9-beta-D-arabinofuranosyl-2-fluoroadenine;
 2-fluorovidarabine; 2-fluoro-9-beta-D-arabinofuranosyladenine; 2-F-araA

Drug Code(s) (CN): NSC-118218; NSC-118218-H

Molecular Form. (MF): C10 H12 F N5 O4

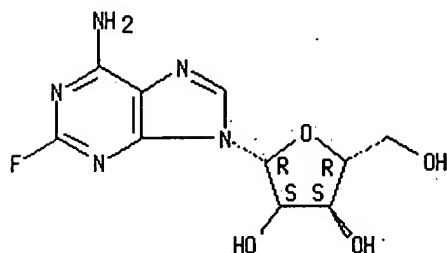
Wgt Composition (COMP): C 42.11%, H 4.24%, F 6.66%, N 24.55%, O 22.44%.

Molecular Weight (MW): 285.23

References (RE): Adenosine deaminase-resistant purine nucleoside antimetabolite. Prepn and in vitro cytotoxicity: J. A. Montgomery, K. Hewson, J. Med. Chem. 12, 498 (1969). Improved prepn: J. A. Montgomery et al., J. Heterocycl. Chem. 16, 157 (1979); J. A. Montgomery, US 4210745 (1980 to U.S. Dept. Health, Education and Welfare). Inhibition of DNA synthesis and in vivo antileukemic activity: R. W. Brockman et al., Biochem. Pharmacol. 26, 2193 (1977). Metabolized to 5'-monophosphate: R. W. Brockman et al., Cancer Res. 40, 3610 (1980). HPLC determ in human leukemia cells: V. Gandhi et al., J. Chromatogr. 413, 293 (1987). Prepn

of 5'-monophosphate: J. A. Montgomery, A. T. Shortnacy, US 4357324 (1982 to U.S. Dept. of Health and Human Services). Pharmacokinetics in humans: M. R. Hersh et al., Cancer Chemother. Pharmacol. 17, 277 (1986). Evaluation of therapeutic efficacy and CNS toxicity in acute refractory leukemia: R. P. Warrell, Jr., E. Berman, J. Clin. Oncol. 4, 74 (1986); H. G. Chun et al., Cancer Treat. Rep. 70, 1225 (1986). Series of articles on pharmacology and therapeutic use: Semin. Oncol. 17, Suppl. 8, 1-78 (1990).

Absolute stereochemistry.



Melting Point (MP):

Value
MP
deg C
====
260

Optical Rotatory Power (ORP):

Value	Temp.	Spectral	Note
ORP	ORP.T	Line	
deg	deg C	ORP.SL	
17 2.5	25	D	(c = 0.1 in ethanol)

UV Spectrum (UVS):

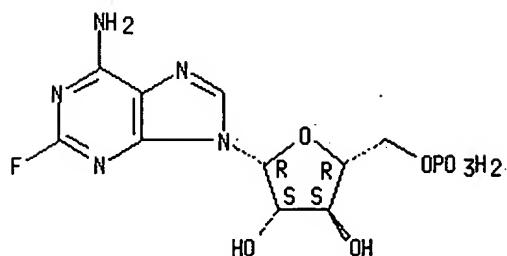
Maximum Peak Pos. UVS.PP nm	Note
262	(pH 1, pH 7, pH 13) ($\epsilon \times 10^{-3}$ 13.2, 14.8, 15.0)
261	
262	

Other Properties (OCPP):

Crystals from ethanol + water, mp 260° . $[\alpha]_{D25} +17 \pm 2.5^\circ$ (c = 0.1 in ethanol) . uv max (pH 1, pH 7, pH 13): 262 , 261 , 262 nm ($\epsilon \times 10^{-3}$ 13.2, 14.8, 15.0) . Sparingly sol in water, organic solvents.

== DERIVATIVE == (1): 5'-Monophosphate
CAS Registry No. (RN.DRV): 75607-67-9
Synonym(s) (CN.DRV): 2-F-ara-AMP
Drug Code(s) (CN.DRV): NSC-328002; NSC-312887
Trade Name(s) (CN.DRV): Fludara (Schering AG)
Molecular Form. (MF.DRV): C10 H13 F N5 O7 P
Wgt Composition (COMP.DRV): C 32.89%, H 3.59%, F 5.20%, N 19.18%, O 30.67%, P 8.48%.
Molecular Weight (MW.DRV): 365.21

Absolute stereochemistry.



Other Properties (OCPP.DRV):
Sol in water.

Therapeutic Codes (THER):
Phosphate as antineoplastic.
Referenced Patent (RPN):
US4210745; US4357324

=> file drugu
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
4.61	12.17

FULL ESTIMATED COST

FILE 'DRUGU' ENTERED AT 17:23:44 ON 30 MAR 2007
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FILE LAST UPDATED: 30 MAR 2007 <20070330/UP>
>>> DERWENT DRUG FILE (SUBSCRIBER) <<<

>>> FILE COVERS 1983 TO DATE <<<
>>> THESAURUS AVAILABLE IN /CT <<<

=> s l1
L3 1541 L1

=> d 1541

L3 ANSWER 1541 OF 1541 DRUGU COPYRIGHT 2007 THE THOMSON CORP on STN
AN 9572 DRUGU
FS Registry
DDRN FLUDARABI
DDN FLUDARABINE
RN 21679-14-1
CT CYTOSTATICS
SS AMIDINE,CYCLIC; HH-LINKED-CX; PURINE; NUCLEOSIDE; FLUORINE

=> log y
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
8.42	20.59

FULL ESTIMATED COST

STN INTERNATIONAL LOGOFF AT 17:28:18 ON 30 MAR 2007